

Product datasheet for **RG230011**

FBXL20 (NM_001184906) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXL20 (NM_001184906) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXL20
Synonyms:	Fbl2; Fbl20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230011 representing NM_001184906 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAGGGACGTGAACGGAGTGACCAAGAGCAGGTTTGAGATGTTCTCAAATAGTGATGAAGCTGTAA
TCAATAAAAAAATTCCCAAGAACTCCTGTTACGGATATTTCTTTCTAGATGTTGTACCCTGTGCCG
CTGTGCTCAGGTCTCCAGGGCTGGAATGTTCTGGCTCTGGATGGCAGTAAGTGGCAGCGAATTGACCTA
TTTGATTTCCAGAGGGATATTGAGGGCCGAGTAGTGGAGAATATTTCAAACGATGTGGGGCTTTTAC
GAAAGTTAAGTCTTCGTGGATGTCTGGAGTGGGAGACAATGCATTAAGAACCTTTGCACAAAACCTGCAG
GAACATTGAAGTACTGAATCTAAATGGGTGTACAAAGACAACAGACGCTGAGGGATGTCCACTGTTGGAG
CAGTTGAACATTTCTGTGTGACCAAGTAACCAAGGATGGCATTCAAGCACTAGTGAGGGGCTGTGGGG
GTCTCAAGGCCTTATTCTTAAAGGCTGCACGCAGCTAGAAGATGAAGCTCTCAAGTACATAGGTGCACA
CTGCCCTGAACGGTGACTTTGAACTTGCAGACTTGCTTGCAATCACAGATGAAGGTCTCATTACTATA
TGCAGAGGGTGCCATAAGTTACAATCCCTTTGTGCCTCTGGCTGCTCCAACATCACAGATGCCATCCTGA
ATGCTCTAGGTCAGAACTGCCCACGGCTTAGAATATTGGAAGTGGAAGATGTTCTCAATTAACAGATGT
GGGCTTTACCACTCTAGCCAGGAATTGCCATGAACCTGAAAAGATGGACCTGGAAGAGTGTGTTTCAGATA
ACAGATAGCACATTAATCCAACCTTCTATACACTGTCTCGACTTCAAGTATTGAGTCTGTCTCACTGTG
AGCTGATCACAGATGATGGAATTCGTACCTGGGGAATGGGGCTGCGCCATGACCAGCTGGAGGTGAT
TGAGCTGGACAACCTGCCCATAATCACAGATGCATCCCTGGAGCACTTGAAGAGCTGTATAGCCTTGAG
CGGATAGAATCTATGACTGCCAGCAAATCACAGGGCTGGAATCAAGAGACTCAGGACCCATTTACCCA
ATATTAAGTCCACGCCTACTTCGCACCTGTCACTCCACCCCATCAGTAGGGGGCAGCAGACAGCGCTT
CTGCAGATGCTGCATCATCCTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG230011 representing NM_001184906
 Red=Cloning site Green=Tags(s)

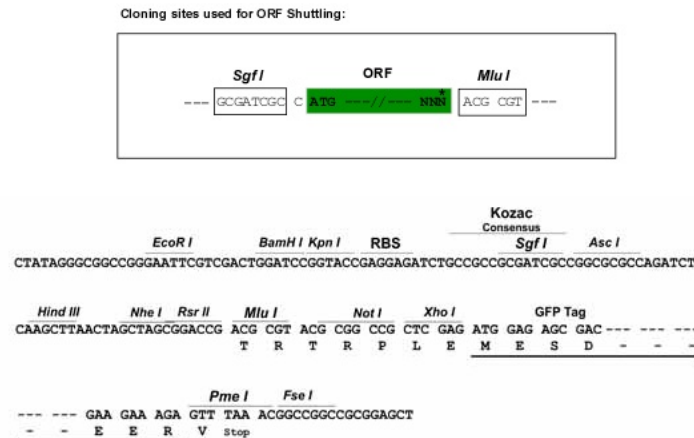
MRRDVNGVTKSRFEMFSNSDEAVINKKLPKELLRLIFSFLDVVTLRCQAQVSRAWNVLALDGSNWQRIDL
 FDFQRDIEGRVVENISKRCGGFLRKLRLRGCLGVGDNALRTFAQNCRNIEVLNLNGCTKTDAEGCPLLE
 QLNISWCDQVTKDGIQALVRGCGGLKALFLKGCTQLEDEALKYIGAHCPPELVTNLNLQTCLQITDEGLITI
 CRGCHKLQSLCASGCSNITDAILNALGQNCPLRLILEVARCSQLTDVGFITLARNCHELEKMDLEECVQI
 TDSTLIQLSIHCPRLQVLSLSCHELITDDGIRHLGNGACAHDQLEVIELDNCPILTDASLEHLKSCHSLE
 RIELYDCQQITRAGIKRLRTHLPNIKVHAYFAPVTPPPSVGGSQRQRCRCIIL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001184906

ORF Size: 1212 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001184906.2](#)

RefSeq Size: 10285 bp

RefSeq ORF: 1215 bp

Locus ID: 84961

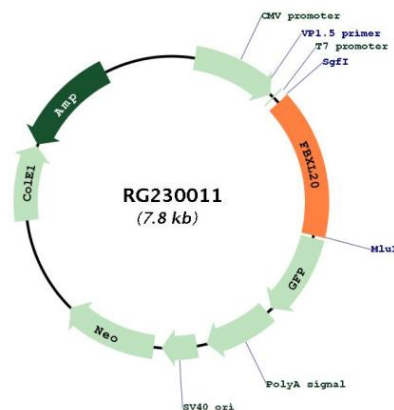
UniProt ID: [Q96IG2](#)

Cytogenetics: 17q12

Protein Families: Druggable Genome

Gene Summary: Members of the F-box protein family, such as FBXL20, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG230011